

CLAIM AMENDMENTS

1. (currently amended) A diagnostic method for *in vivo* detection of cancerous cells of the oral epithelium by selective marking of the mitochondria thereof, comprising the steps of (a) ~~topically delivering~~ contacting said oral epithelium containing cancerous cells in the locus of normal cells with a cationic supravital marking agent other than toluidine blue O and (b) detecting the retention of said agent by the mitochondria of cancer cells *in vivo* which have been marked by absorption of said agent in the mitochondria thereof.

2. (currently amended) A method for selective killing of oral epithelial cancer cells in the locus of normal cells of the oral epithelium comprising the step of contacting said cancer cells with a cationic supravital mitochondrial marking agent other than toluidine blue O.

3. (canceled)

4. (canceled)

5. (canceled)

6.(canceled)

7. (canceled)

CLAIM AMENDMENTS – Continued

8. (canceled)

9. (canceled)

10. (canceled)